

Rabbit anti-Human MDC1 Polyclonal Antibody | anti-MDC1 antibody

MDC1 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30705	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence

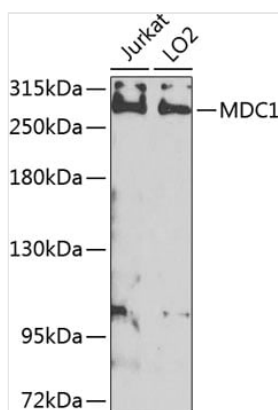
PRODUCT SYNONYMS

MDC1; Polyclonal Antibody; MDC1 Rabbit Polyclonal Antibody; NFBD1; anti-MDC1 antibody

PRODUCT SPECIFICATIONS

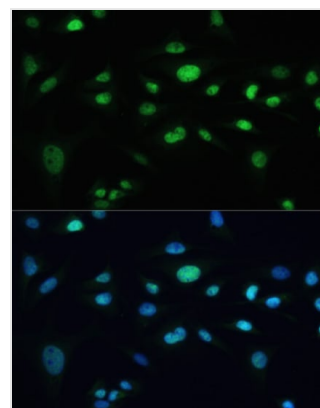
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-MDC1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:100-1:200 IF: 1:50-1:200
Immunogen	Recombinant fusion protein of human MDC1 (NP_055456.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



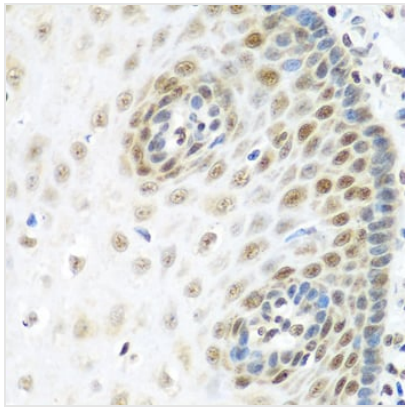
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MDC1 at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 5s.



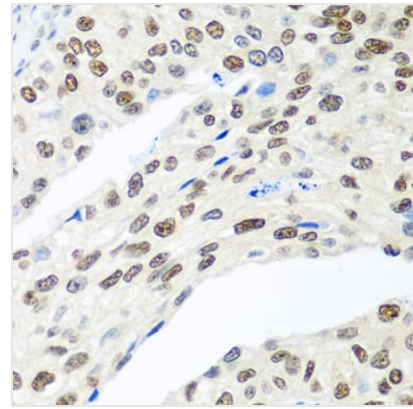
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using MDC1 at dilution of 1:100. Blue: DAPI for nuclear staining.



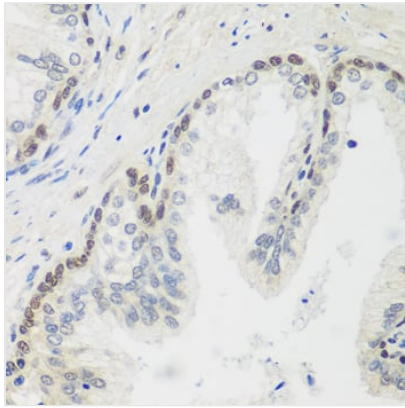
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using MDC1 at dilution of 1:100 (40x lens).



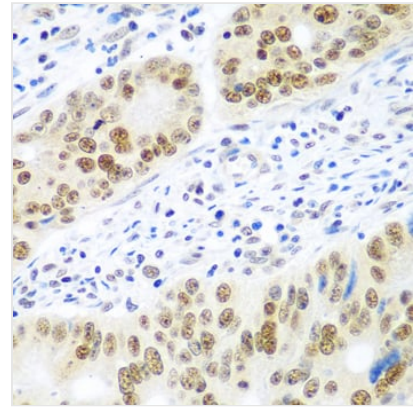
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using MDC1 at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using MDC1 at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using MDC1 at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-MDC1 antibody	The protein encoded by this gene contains an N-terminal forkhead domain, two BRCA1 C-terminal (BRCT) motifs and a central domain with 13 repetitions of an approximately 41-amino acid sequence. The encoded protein is required to activate the intra-S phase and G2/M phase cell cycle checkpoints in response to DNA damage. This nuclear protein interacts with phosphorylated histone H2AX near sites of DNA double-strand breaks through its BRCT motifs, and facilitates recruitment of the ATM kinase and meiotic recombination 11 protein complex to DNA damage foci.
Product Categories/Family for anti-MDC1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	132626688
NCBI GeneID	9656
NCBI Accession #	NP_055456.2
NCBI GenBank Nucleotide #	NM_014641.2
UniProt Accession #	Q14676 ; Q0EFC2 ; Q2L6H7 ; Q2TAZ4 ; Q5JP55 ; Q5JP56 ; Q5ST83 ; A2AB04 ; A2BF04 ; A2RRA8 ; A7YY86 ; B0S8A2
Molecular Weight	226,666 Da
NCBI Official Full Name	mediator of DNA damage checkpoint protein 1
NCBI Official Synonym Full Names	mediator of DNA-damage checkpoint 1

NCBI Official Symbol	MDC1
NCBI Official Synonym Symbols	NFBD1
NCBI Protein Information	mediator of DNA damage checkpoint protein 1; nuclear factor with BRCT domains 1; mediator of DNA damage checkpoint 1; homologue to Drosophila photoreceptor protein calphotin
UniProt Protein Name	Mediator of DNA damage checkpoint protein 1
UniProt Gene Name	MDC1
UniProt Synonym Gene Names	KIAA0170; NFBD1
UniProt Entry Name	MDC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mdc1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30705>